## SEQUENCE LISTING

	<110>	Scot	t,	Kie	eran										
5	<120>	Meth	ođ	of	inhil	oiting	prost	tate	cancer	cell	proli	feration			
	<130>	5015	43												
10	<150> <151>	PS2826 2002-06-07													
	<160>	4													
1.5	<170>	PatentIn version 3.1													
15	<210><211><211><212><213>	1 997 DNA Homo	) Sá	apie	ens										
20	<400>	1						•							
	gaaggaa 60	aaaa	gaç	gcaa	acaga	tccag	ggagc	atto			ctcca	aacagccttg			
25	tgcctca 120	acct	aco	ccc	caacc	tccca	gaggg	agca	ıgctatt		gggagc	aggagtgcag			
30	aacaaa 180	caag	acç	ggc	ctggg	gataca	aactc	tgga	igtcctc	tgaga	agagcc	accaaggagg			
30	agcaggg	ggag	cga	acgg	gccgg	ggcaga	aagtt	gaga	ıccaccc	agcaç	gaggag	ctaggccagt			
35	ccatcto	gcat	ttç	gtca	accca	agaac	tctta	ccat	gaagac	cctc	ctactg	ttggcagtga			
	tcatgat 360	tctt	tgg	gcct	tactg	caggc	ccatg	ggaa	itttggt	gaati	ttccac	agaatgatca			
40	agttgad 420	cgac	agg	gaaa	aggaa	gccgc	actca	gtta	tggctt ,	ctac	ggctgc	cactgtggcg			
45	tgggtgg 480	gcag	agg	gato	cccc	aagga	tgcaa	cgga	tcgctg	ctgt	gtcact	catgactgtt			
-10	gctacaa 540	aacg	tct	gga	agaaa	cgtgg	atgtg	gcac	caaatt	tctga	agctac	aagtttagca 			
50	actcggg	ggag	caç	gaat	tcacc	tgtgc	aaaac	agga	ctcctg	caga	agtcaa	ctgtgtgagt			
	gtgataa 660	aggc	tgo	ctgo	ccacc	tgttt	tgcta	gaaa	ıcaagac	gacci	tacaat	aaaaagtacc			
55	agtacta 720	attc	caa	ataa	aacac	tgcaga	aggga	gcac	ccctcg	ttgc	tgagtc	ccctcttccc			

tggaaacctt ccacccagtg ctgaatttcc ctctctcata ccctccctcc ctaccctaac 780 caagtteett ggecatgeag aaageateee teacecatee tagaggeeag geaggageee 5 ttctataccc acccagaatg agacatccag cagatttcca gccttctact gctctcctcc 10 acctcaactc cgtgcttaac caaagaagct gtactccggg gggtctcttc tgaataaagc aattagcaaa aaaaaaaaaa aaaaaaaa aaaaaaa 15 <210> 2 <211> 2875 <212> DNA 20 <213> Homo sapiens <400> 2 gaatteteeg gagetgaaaa aggateetga etgaaageta gaggeattga ggageetgaa 25 gattctcagg ttttaaagac gctagagtgc caaagaagac tttgaagtgt gaaaacattt cctgtaattg aaaccaaaat gtcatttata gatccttacc agcacattat agtggagcac 30 cagtattccc acaagtttac ggtagtggtg ttacgtgcca ccaaagtgac aaagggggcc 240 tttggtgaca tgcttgatac tccagatccc tatgtggaac tttttatctc tacaacccct 35 gacagcagga agagaacaag acatttcaat aatgacataa accctgtgtg gaatgagacc 360 40 tttgaattta ttttggatcc taatcaggaa aatgttttgg agattacgtt aatggatgcc aattatgtca tggatgaaac tctagggaca gcaacattta ctgtatcttc tatgaaggtg 45 480 ggagaaaaga aagaagttcc ttttattttc aaccaagtca ctgaaatggt tctagaaatg tctcttgaag tttgctcatg cccagaccta cgatttagta tggctctgtg tgatcaggag 50 600 aagactttca gacaacagag aaaagaacac ataagggaga gcatgaagaa actcttgggt 55 ccaaagaata gtgaaggatt gcattctgca cgtgatgtgc ctgtggtagc catattgggt 720

tcaggtgggg gtttccgagc catggtggga ttctctggtg tgatgaaggc attatacgaa tcaggaattc tggattgtgc tacctacgtt gctggtcttt ctggctccac ctggtatatg 5 tcaaccttgt attctcaccc tgattttcca gagaaagggc cagaggagat taatgaagaa 10 ctaatgaaaa atgttagcca caatcccctt ttacttctca caccacagaa agttaaaaga tatgttgagt ctttatggaa gaagaaaagc tctggacaac ctgtcacctt tactgacatc 15 tttgggatgt taataggaga aacactaatt cataatagaa tgaatactac tctgagcagt 1080 20 ttgaaggaaa aagttaatac tgcacaatgc cctttacctc ttttcacctg tcttcatgtc aaacctgacg tttcagagct gatgtttgca gattgggttg aatttagtcc atacgaaatt 1200 25 ggcatggcta aatatggtac ttttatggct cccgacttat ttggaagcaa attttttatg ggaacagtcg ttaagaagta tgaagaaaac cccttgcatt tcttaatggg tgtctggggc 30 agtgcctttt ccatattgtt caacagagtt ttgggcgttt ctggttcaca aagcagaggc 1380 35 tccacaatgg aggaagaatt agaaaatatt accacaaagc atattgtgag taatgatagc teggacagtg atgatgaate acacgaacee aaaggeactg aaaatgaaga tgetggaagt 1500 40 gactatcaaa gtgataatca agcaagttgg attcatcgta tgataatggc cttggtgagt gattcagctt tattcaatac cagagaagga cgtgctggga aggtacacaa cttcatgctg 45 ggcttgaatc tcaatacatc ttatccactg tctcctttga gtgactttgc cacacaggac 50 tcctttgatg atgatgaact ggatgcagct gtagcagatc ctgatgaatt tgagcgaata 1740 tatgagcctc tggatgtcaa aagtaaaaag attcatgtag tggacagtgg gctcacattt 55 aacctgccgt atcccttgat actgagacct cagagagggg ttgatctcat aatctccttt 1860

	gacttttctg 1920	caaggccaag	tgactctagt		aggaacttct	
5	aagtgggcta 1980	aaatgaacaa	gctccccttt			gtttgatcgg
	gaagggctga 2040	aggagtgcta	tgtctttaaa	cccaagaatc	ctgatatgga	gaaagattgc
10	ccaaccatca 2100	tccactttgt	tctggccaac	atcaacttca	gaaagtacaa	ggctccaggt
15	gttccaaggg 2160	aaactgagga	agagaaagaa	atcgctgact	ttgatatttt	tgatgaccca
	gaatcaccat 2220	tttcaacctt	caattttcaa	tatccaaatc	aagcattcaa	aagactacat
20	gatcttatgc 2280	acttcaatac	tctgaacaac	attgatgtga	taaaagaagc	catggttgaa
25	agcattgaat 2340	atagaagaca	gaatccatct	cgttgctctġ	tttcccttag	taatgttgag
<b>-25</b>	gcaagaagat 2400	ttttcaacaa	ggagtttcta	agtaaaccca	aagcatagtt	catgtactgg
30	aaatggcagc 2460	agtttctgat	gctgaggcag	tttgcaatcc	catgacaact	ggatttaaaa
	gtacagtaca 2520	gatagtcgta	ctgatcatga	gagactggct	gatactcaaa	gttgcagtta
35	cttagctgca 2580	tgagaataat	actattataa	gttaggtgac		gattatgtaa
40	ggatatactt 2640	agctacattt	tcagtcagta		gatacaaatg	tagggatata
40	tactgtattt 2700	ttaaacattt	ctcaccaact	ttcttatgtg	tgttctttt	aaaaattttt
45	tttcttttaa 2760	aatatttaac	agttcaatct	caataagacc		tatgaatgtt
	attcactgac 2820	tagatttatt	cataccatga		tttttattta	tatatgcata
50	tatatacata 2875	catgaaataa	atacatcaat	ataaaaataa	aaaaaacgg	aattc .
55	<210> 3 <211> 144 <212> PRT					
	<213> Homo	sapiens			•	1

	<400	)> 3	3													
5	Met 1	Lys	Thr	Leu	Leu 5	Leu	Leu	Ala	Val	Ile 10	Met	Ile	Phe	Gly	Leu 15	Leu
10	Gln	Ala	His	Gly 20	Asn	Leu	Val	Asn	Phe 25	His	Arg	Met	Ile	Lys 30	Leu	Thr
	Thr	Gly	Lys 35	Glu	Ala	Ala	Leu	Ser 40	Туr	Gly	Phe	Tyr	Gly 45	Cys	His	Cys
15	Gly	Val 50	Gly	Gly	Arg	Gly	Ser 55	Pro	Lys	Asp	Ala	Thr 60	Asp .	Arg	Cys	Cys
20	Val 65	Thr	His	Asp	Cys	Cys 70	Tyr	Lys	Arg	Leu	Glu 75	Lys	Arg	Gly	Cys	Gly 80
25	Thr	Lys	Phe	Leu	Ser 85	Tyr	Lys	Phe	Ser	Asn 90	Ser	Gly	Ser	Arg	Ile 95	Thr
													;			•
30	Cys	Ala	Lys	Gln 100	Asp	Ser	Cys	Arg	Ser 105	Gln	Leu	Cys	Glu	Cys 110	Asp	Lys
	Ala	Ala	Ala 115	Thr	Cys	Phe	Ala	Arg 120	Asn	Lys	Thr	Thr	Tyr 125	Asn	Lys	Lys
35	Tyr	Gln 130	Tyr	Tyr	Ser	Asn	Lys 135	His	Суѕ	Arg	Gly	Ser 140	Thr	Pro	Arg	Cys
											•					
40	<210 <210 <210 <210	L> ' 2> 1	4 749 PRT Homo	gan	iens							. ,				
45	<400		4	sap.	LCIIS										٠	
45			† Phe	Ile	Asp 5	Pro	Tyr	Gln	His	Ile 10	Ile	Val	Glu	His		Tyr
50	Ser	His	Lys	Phe 20	Thr	Val	Val	Val	Leu 25	Arg	Ala	Thr	Lys	Val 30	Thr	Lys

Gly Ala Phe Gly Asp Met Leu Asp Thr Pro Asp Pro Tyr Val Glu Leu 35 40 45

. . .

	Pḥe	Ile 50	Ser	Thr	Thr	Pro	Asp 55	Ser	Arg	Lys	Arg	Thr 60	Arg	His	Phe	Asn
5	Asn 65	Asp	Ile	Asn	Pro	Val 70	Trp	Asn	Glu	Thr	Phe 75	Glu	Phe	Ile	: Leu	Asp 80
10	Pro	Asn	Gln	Glu	Asn 85	Val	Leu	Glu	Ile	Thr 90	Leu	Met	Asp	Ala	Asn 95	Tyr
15	Val	Met	Asp	Glu 100	Thr	Leu	Gly	Thr	Ala 105	Thr	Phe	Thr	Val	Ser 110	Ser	Met
20	Lys	Val	Gly 115	Glu	Lys	Lys	Glu	Val 120	Pro	Phe	Ile	Phe	Asn 125	Gln	Val	Thr
	Glu	Met 130	Val	Leu	Glu	Met	Ser 135	Leu	Glu	Val	Cys	Ser 140	Cys	Pro	Asp	Leu
25	Arg 145	Phe	Ser	Met	Ala	Leu 150	Cys	Asp	Gln	Glu		Thr		Arg	•	Gln 160
30	Arg	Lys	Glu	His	Ile 165	Arg	Glu	Ser	Met	Lys 170	Lys	Leu	Leu	Gly	Pro 175	Lys
35	Asn	Ser	Glu	Gly 180	Leu	His	Ser	Ala	Arg 185	Asp	Val	Pro	val		: Ala	
40	Leu	Gly	Ser 195	Gly	Gly	Gly	Phe	Arg 200	Ala	Met	Val			Ser		Val
40	Met	Lys 210	Ala	Leu	Tyr	Glu	Ser 215	Gly	Ile		Asp	Cys 220	Ala	Thr	Tyr	Val
45	 Ala 225	Gly	Leu	Ser	Gly	Ser 230	Thr	Trp		Met						His 240
50	Pro	Asp	Phe	Pro	Glu 245	Lys	Gly	Pro	Glu	Glu 250					Leu 255	
55	Lys	Asn	Val	Ser 260	His	Asn	Pro	Leu	Leu 265	Leu		Thr				Val

and the second of the second o

	Lys	Arg	Tyr 275	Val	Glu	Ser	Leu	Trp 280	Lys	Lys	Lys	Ser	Ser 285	Gly	Gln	Pro
5	Val	Thr 290	Phe	Thr	Asp	Ile	Phe 295	Gly	Met	Leu	Ile	Gly 300	Glu	Thr	Leu	Ile
10	His 305	Asn	Arg	Met	Asn	Thr 310	Thr	Leu	Ser	Ser	Leu 315	Lys	Glu	Lys	Val	Asn 320
15	Thr	Ala	Gln	Cys	Pro 325	Leu	Pro	Leu	Phe	Thr 330	Cys	Leu	His	Val	Lys 335	Pro
	Asp	Val	Ser	Glu 340	Leu	Met	Phe	Ala	Asp 345	Trp	Val	Glu	Phe	Ser 350	Pro	
20	Glu	Ile	Gly 355	Met	Ala	Lys	Tyr	Gly 360	Thr	Phe	Met	Ala	365	Asp		
25	Gly	Ser 370	Lys	Phe	Phe	Met	Gly 375	Thr	Val	Val	Lys	Lys 380			Glu	Asn
30	Pro 385	Leu	His	Phe	Leu	Met 390	Gly	Val	Trp	Gly	Ser 395		Phe		Ile	
35	Phe	Asn	Arg	Val	Leu 405	Gly	Val	Ser	Gly		Gln		Arg	Gly	Ser 415	Thr
JJ	Met	Glu	Glu	Glu 420	Leu	Glu	Asn		Thr 425							
40	Asp				Ser							Pro	Ļys	Gly	Thr	
45	Asn	Glu 450	Asp	Ala	Gly	Ser	Asp 455	Tyr	Gln	Ser					Ser	
50	Ile 465	His	Arg	Met	Ile	Met 470	Ala	Leu	Val	Ser	Ásp 475				Phe	
	Thr	Arg	Glu	Gly	Arg 485	Ala	Gly	Lys			Asn					
55	Asn	Leu	Asn	Thr	Ser	туr	Pro	Leu	Ser		Leu					Thr

Gln Asp Ser Phe Asp Asp Glu Leu Asp Ala Ala Val Ala Asp Pro Asp Glu Phe Glu Arg Ile Tyr Glu Pro Leu Asp Val Lys Ser Lys Lys Ile His Val Val Asp Ser Gly Leu Thr Phe Asn Leu Pro Tyr Pro Leu Ile Leu Arg Pro Gln Arg Gly Val Asp Leu Ile Ile Ser Phe Asp Phe Ser Ala Arg Pro Ser Asp Ser Ser Pro Pro Phe Lys Glu Leu Leu Leu Ala Glu Lys Trp Ala Lys Met Asn Lys Leu Pro Phe Pro Lys Ile Asp Pro Tyr Val Phe Asp Arg Glu Gly Leu Lys Glu Cys Tyr Val Phe Lys Pro Lys Asn Pro Asp Met Glu Lys Asp Cys Pro Thr Ile Ile His Phe Val Leu Ala Asn Ile Asn Phe Arg Lys Tyr Lys Ala Pro Gly Val Pro Arg Glu Thr Glu Glu Glu Lys Glu Ile Ala Asp Phe Asp Ile Phe Asp Asp Pro Glu Ser Pro Phe Ser Thr Phe Asn Phe Gln Tyr Pro Asn Gln 1. Land to the state of the Ala Phe Lys Arg Leu His Asp Leu Met His Phe Asn Thr Leu Asn Asn Ile Asp Val Ile Lys Glu Ala Met Val Glu Ser Ile Glu Tyr Arg Arg Gln Asn Pro Ser Arg Cys Ser Val Ser Leu Ser Asn Val Glu Ala Arg

Arg Phe Phe Asn Lys Glu Phe Leu Ser Lys Pro Lys Ala 740 745